



DEPARTMENT OF THE INTERIOR
U. S. FISH AND WILDLIFE SERVICE

3-201
(1/97)

FEDERAL FISH AND WILDLIFE PERMIT

2. AUTHORITY-STATUTES
16 USC 1539(A)

1. PERMITTEE

U. S. FISH AND WILDLIFE SERVICE, REGION 2
REGIONAL DIRECTOR
P. O. BOX 1306
ALBUQUERQUE, NM 87103-1306
U.S.A.

REGULATIONS (Attached)
50 CFR 17.22
50 CFR 17.32
50 CFR 17.62

3. NUMBER

TE676811-9

AMENDMENT

4. RENEWABLE

YES

NO

5. MAY COPY

YES

NO

6. EFFECTIVE

07/15/2002

7. EXPIRES

12/31/2003

8. NAME AND TITLE OF PRINCIPAL OFFICER (If #1 is a business)

H. DALE HALL
REGIONAL DIRECTOR

9. TYPE OF PERMIT

THREATENED AND ENDANGERED SPECIES

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED

Within Region 2 (Arizona, New Mexico, Texas, and Oklahoma)

11. CONDITIONS AND AUTHORIZATIONS:

A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.

B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.

C. VALID FOR USE BY PERMITTEE NAMED ABOVE.

D. This permit is being amended as follows. The terms and conditions set forth in the original permit dated June 15, 1998, and previous amendments are hereby superseded by this amendment.

E. The authorities granted by this permit are delegated to personnel of the U.S. Fish and Wildlife Service (Service) in performance of their official duties and volunteer personnel under Service supervision while engaged in Service-sponsored projects. Such personnel are authorized to engage in any otherwise prohibited activities under the Endangered Species Act and their implementing regulations. All activities conducted pursuant to this permit shall have the approval of the appropriate Service project leader.

F. Acceptance of this permit serves as evidence that the Permittees agree to abide by the "General Conditions for Native Endangered and Threatened Wildlife Species Permits" (copy attached).

G. Acceptance of this permit serves as evidence that the Permittees agree to abide by all conditions stated. Terms and conditions of this permit are inclusive. Any activity not specifically permitted is prohibited.

ADDITIONAL CONDITIONS AND AUTHORIZATIONS ALSO APPLY

12. REPORTING REQUIREMENTS

ANNUAL REPORT DUE: 12/15

ISSUED BY

Susan MacMullin

TITLE

Acting
ARD - ECOLOGICAL SERVICES

DATE

07/09/2002

H. Disposal, transplant, or release of live wildlife/plants or plant parts taken or held under the terms of this permit, unless specifically authorized, requires prior written approval by the species lead U.S. Fish and Wildlife Service (USFWS) office. You must dispose of dead wildlife/plants or plant parts as specified by the terms of this permit. If terms are not specified, they can be destroyed or transferred to a public institution. A copy of the permit and this letter, along with a cover letter referencing your permit number, must accompany each shipment and must be retained with the specimens. The cover letter must specify who will receive the specimens and the numbers involved. A copy of the letter must be furnished to the following address:

U.S. Fish and Wildlife Service
Division of Endangered Species - Permits
P.O. Box 1306
Albuquerque, New Mexico 87103

I. An annual report of the activities conducted (including field data forms, if appropriate) under authority of this permit must be submitted to the Ecological Services Field Office(s) stated above. An electronic version of the annual report must be submitted to the Division of Endangered Species - Permits at the above address or to the following electronic mailing address: **FW2_TE_Permits@fws.gov** on or before December 15 of each year (unless otherwise stated). Failure to furnish required reporting information is cause for revocation and/or future denial of the permit.

J. If applicable, hard copies of any unpublished or published reports generated by the study and other data which would be useful for the conservation or recovery of the species should also be submitted to the above address. The reports should include one copy of USGS 7.5 minute quad sheets or larger scale maps, depicting sites where listed species covered by this permit were found or not found.

K. Please note that this permit is limited to the below activities and species and is functional only when used in combination with a valid state permit.

L. This permit does not, either directly or by implication, allow or grant right of trespass. Permission to enter lands must be obtained in writing from the landowner or land managing agency.

M. If conducting research on a National Wildlife Refuge, you must obtain a refuge special use permit. The refuge permit will need to be used in conjunction with this permit and a valid state permit in order to meet all applicable law.

N. You must furnish the USFWS, Division of Endangered Species - Permits (address above) with a copy of the permit issued to you by the Indian Tribal Government(s) prior to conducting research and recovery activities on Tribal lands.

O. A copy of this permit shall be carried by anyone exercising the authorities granted therein.

P. Additional terms and conditions are also held by other USFWS Field Offices and Refuges.

Q. The authorities granted by this permit concern the following species:

MAMMALS

black-footed ferret (*Mustela nigripes*)

Canada lynx (*Lynx canadensis*)

gray bat (*Myotis grisescens*)

Mexican gray wolf (*Canis lupus baileyi*)

Hualapai Mexican vole (*Microtus mexicanus hualapaiensis*)

Indiana bat (*Myotis sodalis*)

jaguar (*Panthera onca*)
jaguarundi (*Herpailurus (=Felis) yagouaroundi*)
lesser long-nosed bat (*Leptonycteris curasoae yerbabuenae*)
Louisiana black bear (*Ursus americanus luteolus*)
Mexican long-nosed bat (*Leptonycteris nivalis*)
Mount Graham red squirrel (*Tamiasciurus hudsonicus grahamensis*)
ocelot (*Leopardus (=Felis) pardalis*)
Ozark big-eared bat (*Plecotus townsendii ingens*)
red wolf (*Canis rufus*)
Sonoran pronghorn (*Antilocapra americana sonoriensis*)

BIRDS

Attwater's greater prairie-chicken (*Tympanuchus cupido attwateri*)
bald eagle (*Haliaeetus leucocephalus*)
black-capped vireo (*Vireo atricapillus*)
brown pelican (*Pelecanus occidentalis*)
California condor (*Gymnogyps californianus*)
cactus ferruginous pygmy-owl (*Glaucidium brasilianum cactorum*)
Eskimo curlew (*Numenius borealis*)
golden-cheeked warbler (*Dendroica chrysoparia*)
ivory-billed woodpecker (*Campephilus principalis*)
southwestern willow flycatcher (*Empidonax traillii extimus*)
interior least tern (*Sterna antillarum*)
masked bobwhite quail (*Colinus virginianus ridgwayi*)
Mexican spotted owl (*Strix occidentalis lucida*)
northern aplomado falcon (*Falco femoralis septentrionalis*)
piping plover (*Charadrius melodus*)
red-cockaded woodpecker (*Picoides borealis*)
whooping crane (*Grus americana*)
Yuma clapper rail (*Rallus longirostris yumanensis*)

REPTILES

Concho water snake (*Nerodia harteri paucimaculata*)
desert tortoise (*Gopherus (=Xerobates, =Scaptochelys) agassizii*)
New Mexican ridge-nosed rattlesnake (*Crotalus willardi obscurus*)
Kemp's ridley sea turtle (*Lepidochelys kempii*)
green sea turtle (*Chelonia mydas*)
loggerhead sea turtle (*Caretta caretta*)
hawksbill sea turtle (*Eretmochelys imbricata*)
leatherback sea turtle (*Dermochelys coriacea*)

AMPHIBIANS

Barton Springs salamander (*Eurycea sosorum*)
Houston toad (*Bufo houstonensis*)
San Marcos salamander (*Eurycea nana*)
Sonora tiger salamander (*Ambystoma tigrinum stebbinsi*)
Texas blind salamander (*Typhlomolge rathbuni*)
Chiricahua leopard frog (*Rana chiricahuensis*)

FISH

Apache (=Arizona) trout (*Oncorhynchus (=Salmo) apache*)

Arkansas River shiner (*Notropis girardi*)
beautiful shiner (*Cyprinella* (= *Notropis*) *formosa*)
Big Bend gambusia (*Gambusia gaigei*)
bonytail chub (*Gila elegans*)
Chihuahua chub (*Gila nigrescens*)
Clear Creek gambusia (*Gambusia heterochir*)
Colorado pikeminnow (*Ptychocheilus lucius*)
Comanche Springs pupfish (*Cyprinodon elegans*)
desert pupfish (*Cyprinodon macularius*)
Devil's River minnow (*Dionda diaboli*)
fountain darter (*Etheostoma fonticola*)
Gila topminnow (*Poeciliopsis occidentalis*)
Gila trout (*Oncorhynchus* (= *Salmo*) *gilae*)
humpback chub (*Gila cypha*)
Leon Springs pupfish (*Cyprinodon bovinus*)
leopard darter (*Percina pantherina*)
Little Colorado spinedace (*Lepidomeda vittata*)
loach minnow (*Rhinichthys* (= *Tiaroga*) *cobitis*)
Neosho madtom (*Noturus placidus*)
Ozark cavefish (*Amblyopsis rosae*)
Pecos bluntnose shiner (*Notropis simus pecosensis*)
Pecos gambusia (*Gambusia nobilis*)
razorback sucker (*Xyrauchen texanus*)
Rio Grande silvery minnow (*Hybognathus amarus*)
San Marcos gambusia (*Gambusia georgei*)
Sonora chub (*Gila ditaenia*)
spikedace (*Meda fulgida*)
Virgin River chub (*Gila robusta semidnuda*)
woundfin (*Plagopterus argentissimus*)
Yaqui catfish (*Ictalurus pricei*)
Yaqui chub (*Gila purpurea*)
Yaqui topminnow (*Poeciliopsis occidentalis sonoriensis*)

CLAMS

Ouachita rock-pocketbook (*Arkansia wheeleri*)
Winged mapleleaf (mussel) (*Quadrula fragosa*)

SNAILS

Alamosa springsnail (*Tryonia alamosae*)
Kanab ambersnail (*Oxyloma haydeni kanabensis*)
San Xavier talussnail (*Sonorella eremita*)
Socorro springsnail (*Pyrgulopsis neomexicana*)

INSECTS/ARACHNIDS

American burying beetle (*Nicrophorus americanus*)
Coffin Cave mold beetle (*Batrisodes texanus*)
Comal Springs dryopid beetle (*Stygoparnus comalensis*)
Comal Springs riffle beetle (*Heterelmis comalensis*)
Kretschmarr Cave mold beetle (*Texamaurops reddelli*)
Tooth Cave ground beetle (*Rhadine persephone*)
Tooth Cave spider (*Neoleptoneta myopica*)

Bee Creek Cave harvestman (*Texella reddelli*)
 Bone Cave harvestman (*Texella reyesi*)
 Tooth Cave pseudoscorpion (*Tartarocreagris texana*)
 Tooth Cave spider (*Neoleptoneta myopica*)
 ground beetle, no common name (*Rhadine exilis*)
 ground beetle, no common name (*Rhadine infernalis*)
 Helotes mold beetle (*Batrisodes venyivi*)
 Cokendolpher cave harvestman (*Texella cokendolpheri*)
 Robber Baron cave meshweaver (*Cicurina baronia*)
 Madla's cave meshweaver (*Cicurina madla*)
 Bracken Bat Cave meshweaver (*Cicurina venii*)
 Government Canyon Bat Cave meshweaver (*Cicurina vespera*)
 Government Canyon Bat Cave spider (*Neoleptoneta microps*)

CRUSTACEANS

Peck's Cave amphipod (*Stygobromus* (= *Stygonectes*) *pecki*)
 Socorro isopod (*Thermosphaeroma thermophilus*)

PLANTS

Arizona hedgehog cactus (*Echinocereus triglochidiatus* var. *arizonicus* (= *E. arizonicus*)
 Arizona cliffrose (*Purshia* (= *Cowania*) *subintegra*)
 Arizona agave (*Agave arizonica*)
 ashy dogwood (*Thymophylla* (= *Dyssodia*) *tephroleuca*)
 black lace cactus (*Echinocereus reichenbachii* var. *albertii* (= *E. melanocentrus*)
 Brady pincushion cactus (*Pediocactus* (= *Toumeyia*) *bradyi*)
 bunched cory cactus (*Coryphantha ramillosa*)
 Canelo Hills ladies'-tresses (*Spiranthes delitescens*)
 Chisos Mountain hedgehog cactus (*Echinocereus chisosensis* var. *chisosensis*)
 Cochise pincushion cactus (*Coryphantha* (= *Cochiseia*, *Escobaria*) *robbinsorum*)
 Davis' green pitaya (*Echinocereus viridiflorus* var. *Davisii* (= *E. Davisii*)
 eastern prairie fringed orchid (*Platanthera leucophaea*)
 gypsum wild-buckwheat (*Eriogonum gypsophilum*)
 Hinckley's oak (*Quercus hinckleyi*)
 Holy Ghost ipomopsis (*Ipomopsis sancti-spiritus*)
 Huachuca water umbel (*Lilaeopsis schaffneriana* var. *recurva*)
 Johnston's frankenia (*Frankenia johnstonii*)
 Jones Cycadenia (*Cycadenia humilis* var. *jonesii*)
 Kearney's blue-star (*Amsonia kearneyana*)
 Knowlton cactus (*Pediocactus* (= *Toumeyia*) *knowltonii*) (= *P. Bradyi* var. *k.*)
 Kuenzler hedgehog cactus (*Echinocereus fendleri* var. *kuenzleri*)
 large-fruited sand verbena (*Abronia macrocarpa*)
 Lee pincushion cactus (*Coryphantha* = *Escobaria*, = *Mammillaria*) *sneedii* var. *leei*)
 Little Aguja pondweed (*Potamogeton clystocarpus*)
 Lloyd's mariposa cactus (*Echinomastus* (= *Echinocactus*, = *Sclerocactus* = *Neolloydia mariposensis*)
 Mancos milk-vetch (*Astragalus humillimus*)
 Mesa Verde cactus (*Sclerocactus* (= *Coloradoa*, = *Echinocactus*, = *Pediocactus*) *mesae-verdae*)
 Navajo sedge (*Carex specuicola*)
 Navasota ladies'-tresses (*Spiranthes parksii*)
 Nellie cory cactus (*Coryphantha* (= *Escobaria*, = *Mammillaria*) *minima* (= *nellieae*)
 Nichol's Turk's head cactus (*Echinocactus horizonthalonius* var. *nicholii*)
 Pecos (=puzzle) sunflower (*Helianthus paradoxus*)

Peebles Navajo cactus (*Pediocactus* (= *Echinocactus*, = *Navajoa*, = *Toumeyia*, = *Utahia*) *peeblesianus* var. *peeblesianus*)
 Pima pineapple cactus (*Coryphantha scheeri* var. *robustispina*)
 Sacramento prickly-poppy (*Argemone pleiacantha* ssp. *pinnatisecta*)
 Sacramento Mountains thistle (*Cirsium vinaceum*)
 San Francisco Peaks groundsel (*Senecio franciscanus*)
 sentry milk-vetch (*Astragalus cremnophylax* var. *cremnophylax*)
 Siler pincushion cactus (*Pediocactus* (= *Echinocactus*, = *Utahia*) *sileri*)
 slender rush-pea (*Hoffmannseggia tenella*)
 Sneed pincushion cactus (*Coryphantha* (= *Escobaria*, = *Mammillaria*) *sneedii* var. *sneedii*)
 South Texas ambrosia (*Ambrosia cheiranthifolia*)
 star cactus (*Astrophytum asterias*)
 Terlingua Creek cat's eye (*Cryptantha crassipes*)
 Texas ayenia (*Ayenia limitaris*)
 Texas prairie dawn (= Texas bitterweed) (*Hymenoxys texana*)
 Texas poppy-mallow (*Callirhoe scabriuscula*)
 Texas trailing phlox (*Phlox nivalis* ssp. *texensis*)
 Texas wild-rice (*Zizania texana*)
 Texas snowbells (*Styrax texana*)
 Tobusch fishhook cactus (*Ancistrocactus* (= *Echinocactus*, = *Mammillaria*) *tobuschii*)
 Todsen's pennyroyal (*Hedeoma todsenii*)
 Walker's manioc (*Manihot walkerae*)
 Welsh's milkweed (*Asclepias welshii*)
 western prairie fringed orchid (*Platanthera praeclara*)
 white bladderpod (*Lesquerella pallida*)
 Zapata bladderpod (*Lesquerella thanmynophila*)
 Zuni (= Rhizome) fleabane (*Erigeron rhizomatus*)

End Permit